

Replication Package — Poverty and Fragility Report

This replication package reproduces all figures in the Poverty and Fragility Report. Each chapter has its own self-contained folder with READMEs, code, data, and outputs. Chapters 1 and 4 are combined into a single folder.

Data Availability

1. World Bank country classification (income groups, regions)

- Source: World Bank Group, Daniel Mahler
- Year: 2025
- URL: <https://github.com/GPID-WB/Class/tree/master/OutputData>
- Access Date (Month-Year): July 2025
- Note: Location: Chapter 1 and 4/0_Data/raw_data/Country Class/CLASS.dta
- Access Type: Open
- License: -
- License URL: -
- Citation: World Bank Group, Daniel Mahler. 2025. “World Bank country classification (income groups, regions)” [dataset]. <https://github.com/GPID-WB/Class/tree/master/OutputData>. Accessed July 2025.

2. World Development Indicators Country Metadata

- Source: World Bank Group
- Year: 2024
- URL: <https://databank.worldbank.org/source/world-development-indicators>
- Access Date (Month-Year): July 2024
- Note: Location: Chapter 1 and 4/0_Data/raw_data/WDI/WDI_Metadata_20240730.xlsx
- Access Type: Open
- License: -
- License URL: -
- Citation: World Bank Group. 2024. “World Development Indicators” [dataset]. Accessed July 2024.

3. Fragility and Conflict Affected Situations Lists FY06 to FY26

- Source: World Bank Group
- Year: 2025
- URL: <https://www.worldbank.org/en/topic/fragilityconflictviolence/brief/classification-of-fragile-and-conflict-affected-situations>
- Access Date (Month-Year): July 2025

- Note: Location: Chapter 1/0_Data/raw_data/FCS Lists and Notes/World Bank Lists/fcs_fy26.xlsx
- Access Type: Open
- License: -
- License URL: -
- Citation: World Bank Group. 2025. “Fragility and Conflict Affected Situations Lists FY06 to FY26” [dataset]. <https://www.worldbank.org/en/topic/fragilityconflictviolence/brief/classification-of-fragile-and-conflict-affected-situations>. Accessed July 2025.

4. **Poverty and Inequality Platform (version 20250930_2021_01_02_PROD)**

- Source: World Bank Group
- Year: 2025
- URL: <https://pip.worldbank.org/>
- Access Date (Month-Year): October 2025
- Note: Location: Chapter 1/0_Data/raw_data/poverty/pip_website_20251015.csv. Indicators used: Poverty headcount ratio (2021 PPP) (\$3) with interpolated values.
- Access Type: Open
- License: -
- License URL: -
- Citation: World Bank Group. 2025. “Poverty and Inequality Platform (version 20250930_2021_01_02_PROD)” [dataset]. <https://pip.worldbank.org/>. Accessed October 2025.

5. **Country Policy and Institutional Assessment**

- Source: World Bank
- Year: 2025
- URL: <https://databank.worldbank.org/source/country-policy-and-institutional-assessment>
- Access Date (Month-Year): July 2025
- Note: Location: Chapter 1 and 4/0_Data/raw_data/CPIA/wdi_cpia_20250723.csv
- Access Type: Open
- License: -
- License URL: -
- Citation: World Bank. 2025. “Country Policy and Institutional Assessment” [dataset]. <https://databank.worldbank.org/source/country-policy-and-institutional-assessment>. Accessed July 2025.

6. **Country Policy and Institutional Assessment**

- Source: African Development Bank
- Year: 2025
- URL: <https://cpia.afdb.org/>

- Access Date (Month-Year): July 2025
- Note: Location: Chapter 1/0_Data/raw_data/CPIA/afdb_cpia_20250723.xls
- Access Type: Open
- License: -
- License URL: -
- Citation: African Development Bank. 2025. “Country Policy and Institutional Assessment” [dataset]. <https://cpia.afdb.org/>. Accessed July 2025.

7. Country Performance Assessment

- Source: Asian Development Bank
- Year: 2025
- URL: <https://data.adb.org/dashboard/country-performance-assessment-cpa>
- Access Date (Month-Year): July 2025
- Note: Location: Chapter 1/0_Data/raw_data/CPIA/asdb_cpia_20250723.xls
- Access Type: Open
- License: -
- License URL: -
- Citation: Asian Development Bank. 2025. “Country Performance Assessment” [dataset]. <https://data.adb.org/dashboard/country-performance-assessment-cpa>. Accessed July 2025.

8. Armed Conflict Location & Event Data

- Source: Armed Conflict Location & Event Data
- Year: 2025
- URL: <https://acleddata.com/>
- Access Date (Month-Year): July 2025
- Note: Location: Chapter 1/0_Data/raw_data/Conflict. Used data for Battles, Remote Violence, and Violence Against Civilians.
- Access Type: Open
- License: -
- License URL: -
- Citation: Armed Conflict Location & Event Data. 2025. “Armed Conflict Location & Event Data” [dataset]. <https://acleddata.com/>. Accessed July 2025.

9. UCDP Georeferenced Event Dataset (GED) Global

- Source: Uppsala Conflict Data Program
- Year: 2025
- URL: https://ucdp.uu.se/downloads/#ged_global
- Access Date (Month-Year): July 2025

- Note: Location: Chapter 1/0_Data/raw_data/Conflict
- Access Type: Open
- License: -
- License URL: -
- Citation: Uppsala Conflict Data Program. 2025. "UCDP Georeferenced Event Dataset (GED) Global" [dataset]. https://ucdp.uu.se/downloads/#ged_global. Accessed July 2025.

10. Refugee Population Statistics Database

- Source: United Nations High Commissioner for Refugees and Internal Displacement Monitoring Centre
- Year: 2025
- URL: <https://www.unhcr.org/refugee-statistics>
- Access Date (Month-Year): August 2025
- Note: Location: Chapter 1/0_Data/raw_data/UNHCR. Data obtained using UNHCR's refugees R package. For most groups, data was obtained using the "population" data. For internal displacement, data from the Internal Displacement Monitoring Centre was used. For Palestine refugees, data from registered Palestine refugees under UNRWA's mandate was used.
- Access Type: Open
- License: -
- License URL: -
- Citation: United Nations High Commissioner for Refugees and Internal Displacement Monitoring Centre. 2025. "Refugee Population Statistics Database" [dataset]. <https://www.unhcr.org/refugee-statistics>. Accessed August 2025.

11. Location and duration of Peacekeeping Operations

- Source: United Nations
- Year: 2025
- URL: <https://peacekeeping.un.org/en>
- Access Date (Month-Year): July 2025
- Note: Location: Chapter 1/0_Data/raw_data/UN/un_peacekeep_20250724.xlsx
- Access Type: Open
- License: -
- License URL: -
- Citation: United Nations. 2025. "Location and duration of Peacekeeping Operations" [dataset]. <https://peacekeeping.un.org/en>. Accessed July 2025.

12. Poverty Projections updated using Poverty and Inequality Platform (version September 2025)

- Source: World Bank Group, Poverty, Prosperity, and Planet Report 2024
- Year: 2025

- URL: <https://www.worldbank.org/en/publication/poverty-prosperity-and-planet>
- Access Date (Month-Year): October 2025
- Note: Location: Chapter 1/0_Data/raw_data/poverty/Country_FGT_1981_2050_20250930_2021_01_02_PROD.dta
- Access Type: -
- License: -
- License URL: -
- Citation: World Bank Group, Poverty, Prosperity, and Planet Report 2024. 2025. "Poverty Projections updated using Poverty and Inequality Platform (version September 2025)." [dataset]. <https://www.worldbank.org/en/publication/poverty-prosperity-and-planet>. Accessed October 2025.

13. World Development Indicators — GDP (constant 2015 US\$)

- Source: World Bank Group
- Year: 2025
- URL: <https://databank.worldbank.org/source/world-development-indicators>
- Access Date (Month-Year): October 2025
- Note: Location: Chapter 1/0_Data/raw_data/growth/growth_data_wdi_20250819.csv
- Access Type: Open
- License: -
- License URL: -
- Citation: World Bank Group. 2025. "World Development Indicators" [dataset]. Accessed July 2024.

14. World Bank Global Subnational Atlas of Poverty (GSAP)

- Filenames: panel_data_2010_2023_20251008.dta, crossectional_data_2023_20251008.dta
- Source: World Bank Global Subnational Atlas of Poverty (GSAP)
- URL: <https://pipmaps.worldbank.org/en/data/datatopics/poverty-portal/poverty-geospatial>
- Access year: 2025
- Access restrictions: Subnational population distributions used to estimate the total number of poor are not freely distributable and not included in this package. Subnational poverty rate data is freely available to download.
- Comments: Subnational shapefiles have been modified to harmonize borders across years.

15. World Bank GSAP — Subnational Shapefiles

- Filenames: GSAP_SM25_consist.csv, GSAP_SM25_2023.csv
- Source: World Bank Global Subnational Atlas of Poverty (GSAP)

- URL: <https://pipmaps.worldbank.org/en/data/datatopics/poverty-portal/poverty-geospatial>
- Access year: 2025
- Format note: Subnational shapefiles have been modified to harmonize borders across years. Hence, the data available online will not match the data used in this report.

16. UCDP Georeferenced Event Dataset (GED) — v25.1

- Filenames: GEDEvent_v25_1.csv, Nonstate_v25_1.csv
- Source: Uppsala Conflict Data Program (UCDP), Uppsala University
- URL: <https://ucdp.uu.se/downloads/>
- Access year: 2025
- Coverage: Global, 1989–2024
- Access restrictions: None. Freely downloadable after registering on the UCDP website.

17. ACLED — Armed Conflict Location and Event Data

- Filename: acled_1999-01-01-2025-05-08.csv
- Source: Armed Conflict Location & Event Data Project (ACLED)
- URL: <https://acleddata.com/data-export-tool/>
- Access year: 2025 (downloaded May 2025)
- Access restrictions: Publicly available (registration required); freely available.

18. GRIP4 Global Roads Dataset — Road Density Rasters

- Filenames: GRIP4_density_tp1/grip4_tp1_dens_m_km2.asc (highway density), GRIP4_density_tp2/grip4_tp2_dens_m_km2.asc (primary road density)
- Source: Global Roads Inventory Project (GRIP4)
- Access year: 2025
- Coverage: Global road density, static (circa 2018)
- Access restrictions: None. Freely downloadable.

19. Global Data Lab (GDL) Subnational Indicators

- Filenames: GDL-CorruptionData-1.0.csv, Demographics Data v2.1.csv, Education and Work Data v2.1.csv, Health Data v2.1.csv, Wealth Data v2.1.csv
- Source: Global Data Lab
- URL: <https://globaldatalab.org>
- Access year: 2023–2024
- Variables used: Data on utilities, school attendance, vaccination, and corruption index
- Access restrictions: None. Freely downloadable.

20. World Bank Development Indicators

- Source: World Bank
- Year: 2024
- URL: <https://databank.worldbank.org/source/world-development-indicators>
- Access Date (Month-Year): May 2025
- Note: Downloaded via Python API; file located at `data/raw/WBstddata.csv`. Key variables: GDP, population, employment, immunization, education enrollment, government expenditure, FDI, inflation, natural rents. Data for foreign aid is stored at `data/raw/foreign_aid.csv`. Years used: 2000–2024.
- Access Type: Open
- License: -
- License URL: -
- Citation: World Bank. 2024. “World Bank Development Indicators” [dataset]. <https://databank.worldbank.org/source/world-development-indicators>.

21. Varieties of Democracy Dataset (V-Dem)

- Source: V-Dem Institute, University of Gothenburg
- Year: 2024
- URL: <https://www.v-dem.net/data/the-v-dem-dataset/>
- Access Date (Month-Year): Feb 2025
- Note: Downloaded via the `vdemdata` R package; file located at `data/raw/vdem_data.csv`. Key variables: `v2svstterr`, `v2x_execorr`, `v2x_rule`, `v2x_polyarchy`, `v2xpe_exlsocgr`, `v2x_civlib`, `v2csprtcpt`, `v2x_partip`, `v2pepwrsc`.
- Access Type: Open
- License: -
- License URL: -
- Citation: V-Dem Institute, University of Gothenburg. 2024. “Varieties of Democracy Dataset (V-Dem)” [dataset]. <https://www.v-dem.net/data/the-v-dem-dataset/>.

22. QoG Standard Time-Series Dataset

- Source: Quality of Government Institute, University of Gothenburg
- Year: 2025
- URL: <https://www.gu.se/en/quality-government/qog-data/data-downloads/standard-dataset>
- Access Date (Month-Year): Apr 2025
- Note: File located at `data/raw/qog_std_ts_jan25.dta`. Key variables: `cbi_cbiu` (central bank independence, unweighted), `cbi_cbiw` (central bank independence, weighted).
- Access Type: Open
- License: -
- License URL: -

- Citation: Quality of Government Institute, University of Gothenburg. 2025. “QoG Standard Time-Series Dataset (January 2025)” [dataset]. <https://www.gu.se/en/quality-government/qog-data/data-downloads/standard-dataset>.

23. UCDP Georeferenced Event Dataset (GED), version 24.1

- Source: Uppsala Conflict Data Program (UCDP), Uppsala University
- Year: 2024
- URL: https://ucdp.uu.se/downloads/index.html#ged_global
- Access Date (Month-Year): Mar 2024
- Note: File located at data/raw/GEDEvent_v24_1.csv.
- Access Type: Open
- License: -
- License URL: -
- Citation: Uppsala Conflict Data Program (UCDP), Uppsala University. 2024. “UCDP Georeferenced Event Dataset (GED), version 24.1” [dataset]. https://ucdp.uu.se/downloads/index.html#ged_global.

24. ACLED Conflict Data

- Source: Armed Conflict Location & Event Data Project (ACLED)
- Year: 2024
- URL: <https://acleddata.com/data-export-tool/>
- Access Date (Month-Year): Nov 2024
- Note: File located at data/raw/acled_1997-01-01-2024-07-30.csv.
- Access Type: Open
- License: -
- License URL: -
- Citation: Armed Conflict Location & Event Data Project (ACLED). 2024. “ACLED Conflict Data, 1997–July 2024” [dataset]. <https://acleddata.com/data-export-tool/>.

25. SDG Global and Thematic Indicators — National Data

- Source: UNESCO Institute for Statistics (UIS)
- Year: 2024
- URL: <https://www.uis.unesco.org/en>
- Access Date (Month-Year): Feb 2025
- Note: File located at data/raw/SDG_DATA_NATIONAL.csv. Key variables: out-of-school rates (primary, lower & upper secondary), completion rates, government education expenditure as % of GDP (XGDP.FSG0V).
- Access Type: Open
- License: -
- License URL: -

- Citation: UNESCO Institute for Statistics (UIS). 2024. “SDG Global and Thematic Indicators — National Data” [dataset]. <https://www.uis.unesco.org/en>. Accessed Feb 2025.

26. Poverty and Inequality Platform

- Source: World Bank Group
- Year: 2025
- URL: <https://pip.worldbank.org>
- Access Date (Month-Year): Jul 2025
- Note: File located at data/poverty_lineup.dta. Contains headcount ratios.
- Access Type: Open
- License: -
- License URL: -
- Citation: World Bank Group. 2025. “Poverty and Inequality Platform” [dataset]. <https://pip.worldbank.org>. Accessed July 2025.

Folder Structure

Reproducibility Package/

└ Chapter 1 and 4/	Combined replication for Chapters 1 and 4
└ Chapter 2/	Replication for Chapter 2
└ Chapter 3/	Replication for Chapter 3

Instructions for Replicators

Chapter 1 and 4

1. **Set the project path (Stata).** Open `0_main_stata.do` and update the global on line 14 to point to your local copy of the replication package:

```
global project "C:/your/path/to/Chapter 1 and 4"
```

2. **Install Stata packages.** The custom ado files bundled in `1_Code/ado/` (the `labutil` suite) are loaded automatically — no manual `ssc install` is needed for those. If any standard packages are missing, Stata will raise an error; install them with `ssc install <packagename>`.
3. **Run the Stata pipeline.** From Stata, run `do "0_main_stata.do"`. This executes, in order:
 - `1_Code/01_data_preparation.do` — processes all raw data
 - `1_Code/02_result_generator.do` — produces all Stata-based figures and tables
4. **Install R packages.** The R environment is managed with `renv`. From R, run `renv::restore()`. This installs all required packages (including `refugees`, `ggalluvial`, `networkD3`, `unhcrthemes`, etc.) at the exact versions recorded in `renv.lock`.

5. **Run the R pipeline.** Run `source("1_main_R.R")`. This executes `1_Code/03_box_sankey.R`, which reads the processed UNHCR data and produces the Sankey displacement diagram. All figures and tables are saved to `2_Output/processed_figures/`.

Chapter 2

1. **Open the project.** Double-click `Fragility_companion_replication.Rproj`. This sets the working directory to `Chapter 2/` automatically. All relative paths will resolve correctly.
2. **Run the script.** Open `00_Code/replication_chapter2.R` and run top-to-bottom. All figures will be saved to `2_Output/plots/` in both PNG (300 dpi) and PDF format.

Chapter 3

1. Open `Replication_ch3.Rproj` — this sets the working directory automatically.
2. Run the three scripts located in the `Chapter 3/code` folder in order (1, then 2 and 3).